

INFORMATION DISCLOSURE
CITATION IN AN
APPLICATION

(PTO-1449)

ATTY. DOCKET NO.
1459-011

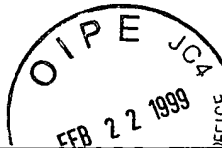
SERIAL NO.
09/196,161

#6

RECEIVED

FEB 23 1999

MATRIX-CUSTOMER
SERVICE CENTER



APPLICANT
Yoke Min Sin et al

FILING DATE
November 20, 1998

GROUP
~~1642~~ 1645

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>mm</i>	4,309,416	Jan. 5, 1982	Gratzek et al.			
<i>mm</i>	5,643,571	Jul 1, 1997	Sin et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	Cross, D.G., "A REVIEW OF METHODS TO CONTROL ICHTHYOPHTHIRIASIS", Prog. Fish-culture, 34, (1972) 165-169
	Gratzek, J. B., "CONTROL AND THERAPY OF FISH DISEASES", Advances Vet. Sci. Comparat. Med., 27, (1983) 297-324
	Post, G., "TEXTBOOK OF FISH HEALTH" (Revised and expanded edition), T. f. H. Publications Inc., USA, 1987
<i>mm</i>	Ling, K.H., Sin, Y.M. and Lam, T.J., "PROTECTION OF GOLDFISH AGAINST SOME COMMON ECTOPARASITIC PROTOZOANS USING <i>ICHTHYOPHTHIRIUS MULTIFILIIS</i> AND <i>TETRAHYMENA PYRIFORMIS</i> FOR VACCINE", Aquaculture, 116 (1993) 303-314
<i>mm</i>	Hines, R.S. and Spira, D.T., "ICHTHYOPHTHIRIASIS IN THE MIRROR CARP <i>CYPRINUS CARPIO</i> (I), IV PHYSIOLOGICAL DISFUNCTION", J. Fish Biol., 6 (1974) 356-371
<i>mm</i>	Govea, B.A., Dawe, D.L. and Gratzek, B., "PROTECTION OF CHANNEL CATFISH, <i>ICTALURUS PUNCTATUS</i> RAFINESQUE, AGAINST <i>ICHTHYOPHTHIRIUS MULTIFILIIS</i> FOUQUET BY IMMUNIZATION", J. Fish Biol., 17 (1980) 311-316
<i>mm</i>	Wolf, K and Markiw, M.E., "ICHTHYOPHTHIRIASIS: IMMERSION IMMUNIZATION OF RAINBOW TROUT (<i>SALMO GAIARDNERI</i>) USING <i>TETRAHYMENA THERMOPHIOLA</i> AS A PROTECTIVE IMMUNOGEN", Can. J. Fish Aquat. Sci., 39 (1982) 1722-1725
<i>mm</i>	Subasinghe, R.P. and Sommerville, C., "ACQUIRED IMMUNITY OF <i>OREOCHROMIS MOSSAMBICUS</i> TO THE CILIATE ECTOPARASITE <i>ICHTHYOPHTHIRIUS MULTIFILIIS</i> (FOUQUET)" In: J. L. Maclean, L.B. Dizzon and L.V. Osillos (editors), The First Asian Fisheries Forum, Asean Fisheries Society, Manila, Philippines, 1987, 279-283
<i>mm</i>	Ling K. H., Sin, Y.M. and Lam, T.J., "A NEW APPROACH TO CONTROLLING ICHTHYOPHTHIRIASIS IN A CLOSED CULTURE SYSTEM OF FRESHWATER ORNAMENTAL FISH", J. fish Dis., 14 (1991) 595-598
<i>mm</i>	Govea, B.A., Dawe, D.L. and Gratzek, B., "IN VITRO DEMONSTRATION OF SEROLOGICAL CROSS-REACTIVITY BETWEEN <i>ICHTHYOPHTHIRIUS MULTIFILIIS</i> FOUQUET AND <i>TETRAHYMENA PYRIFORMIS</i> LWOFF", Dev. Comp. Immunol., 5 (1981) 283-289

mm	Dickerson, H.W., Clark, T.G. and Findly, R.C., "ICHTHYOPHTHIRIUS MULTIFILIIS: HAS MEMBRANE-ASSOCIATED IMMOBILIZATION ANTIGENS", J. Protozool., 36 (1989) 159-164
mm	Lin, T. L. and Dickerson, H.W., "PURIFICATION AND PARTIAL CHARACTERIZATION OF IMMOBILIZATION ANTIGEN FROM ICHTHYOPHTHIRIUS MULTIFILIIS", J. Protozool., 39 (1992) 457-463
mm	Clark, T.G., McGraw, R.A. and Dickerson, H.W., "DEVELOPMENTAL EXPRESSION OF SURFACE ANTIGEN GENES IN THE PARASITIC CILIATE ICHTHYOPHTHIRIUS MULTIFILIIS", Proc. Natl. Acad. Sci. USA, 89 (1992) 6363-6367
mm	Clark, T.G., Dickerson, H.W., and Findly, R.C., "IMMUNE RESPONSE OF CHANNEL CATFISH TO CILIARY ANTIGENS OF ICHTHYOPHTHIRIUS MULTIFILIIS", Devel. Comp. Immunol., 12 (1988) 581-594
mm	He, J., Yin, Z., Xu, G., Gong, Z., Lam, T.J. and Sin, Y.M. "PROTECTION OF GOLDFISH AGAINST ICHTHYOPHTHIRIUS MULTIFILIIS BY IMMUNIZATION WITH A RECOMBINANT VACCINE", Aquaculture, 158 (1997) 1-10
mm	Sambrook, J., Fritsch, E.G. and Maniatis, T. "MOLECULAR CLONING, A LABORATORY MANUAL" 2 nd edition, Cold Spring Harbor Laboratory Press, New York, 1989
mm	Laemmli, U.K., "CLEAVAGE OF STRUCTURE PROTEIN DURING THE ASSEMBLY OF THE HEAD OF BACTERIOPHAGE T4" Nature, 227 (1970) 680-685
	Gong, Z., and Hew, C.L., "ZINC AND DNA BINDING PROPERTIES OF A NOVEL LIM HOMEODOMAIN PROTEIN ISL-2", Biochemistry, 33 (1995) 15149-15158
	Smith, D.B. and Johnson, K.S. "SINGLE-STEP PURIFICATION OF POLYPEPTIDES IN ESCHERICHIA COLI AS FUSION GLUTATHIONE S-TRANSFERASE" Gene, 67 (1988) 31-40
mm	Carmenes, R.S., Freije, J.P., Molina, M.M. and Martin, J.M., "PREDICT 7, A PROGRAM FOR PROTEIN STRUCTURE PREDICTIONS", Biochem. Biophys. Res. Commun., 159 (1989) 687-693
	Biochem
EXAMINER	DATE CONSIDERED
NM Minnifield	3/22/01

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

NM Minnifield 8/4/03